

Abstract

A substrate support comprises a ceramic block, ceramic coating, resistance heater, and heater leads. The ceramic block comprises a first ceramic material and has a substrate receiving pocket sized to receive a substrate, a peripheral ledge extending about the substrate receiving pocket, and side surfaces. The ceramic coating comprises a second ceramic material and covers the substrate pocket and peripheral ledge of the ceramic block. In one version, the second ceramic material is composed of a silicon nitride compound. In another version, the second ceramic material is composed of an amorphous Si-H-N-O compound.